



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/764,921

Source: FFNO

Date Processed by STIC: 2/11/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 16/764,921

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length     Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
                          (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                          (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                          This sequence is intentionally skipped  
  
                          Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
                          <210> sequence id number  
                          <400> sequence id number  
                          000
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                          Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                          In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
                          Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                          (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 02/11/2004

PATENT APPLICATION: US/10/764,921

TIME: 10:01:40

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

```

4 <110> APPLICANT: Volkin, David B.
5      Evans, Robert K.
6      Ulmer, Jeffrey B.
7      Caulfield, Michael J.
9 <120> TITLE OF INVENTION: POLYNUCLEOTIDE VACCINE FORMULATIONS
12 <130> FILE REFERENCE: 19907YIACB
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/764,921
C--> 14 <141> CURRENT FILING DATE: 2004-01-26
14 <150> PRIOR APPLICATION NUMBER: 09/950,844
15 <151> PRIOR FILING DATE: 2001-09-12
17 <150> PRIOR APPLICATION NUMBER: 09/112,655
18 <151> PRIOR FILING DATE: 1998-07-09
20 <150> PRIOR APPLICATION NUMBER: 09/023,834
21 <151> PRIOR FILING DATE: 1998-02-13
23 <150> PRIOR APPLICATION NUMBER: 60/038,194
24 <151> PRIOR FILING DATE: 1997-02-14
26 <160> NUMBER OF SEQ ID NOS: 14
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
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32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Oligonucleotide
38 <400> SEQUENCE: 1
39 ctatataagc agagctcggt tag                                23
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42 <211> LENGTH: 30
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Oligonucleotide
49 <400> SEQUENCE: 2
50 gtagcaaaga tctaaggacg gtgactgcag                            30
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 39
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Oligonucleotide
60 <400> SEQUENCE: 3
61 gtatgtgtct gaaaatgagc gtggagattg ggctcgcac                  39
63 <210> SEQ ID NO: 4

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## RAW SEQUENCE LISTING

DATE: 02/11/2004

PATENT APPLICATION: US/10/764,921

TIME: 10:01:40

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

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65 <212> TYPE: DNA
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68 <220> FEATURE:
69 <223> OTHER INFORMATION: Oligonucleotide
71 <400> SEQUENCE: 4
72 gtgcgagccc aatctccacg ctcatTTTca gacacatac 39
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75 <211> LENGTH: 78
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Oligonucleotide
82 <400> SEQUENCE: 5
83 gatcaccatg gatgcaatga agagagggct ctgctgtgtg ctgctgctgt gtggagcagt 60
84 cttcgTTTcg cccagcga 78
86 <210> SEQ ID NO: 6
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88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Oligonucleotide
94 <400> SEQUENCE: 6
95 gatctcgctg ggcgaaacga agactgctcc acacagcagc agcacacagc agagccctct 60
96 cttcattgca tccatggt 78
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 33
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Oligonucleotide
106 <400> SEQUENCE: 7
107 ggtacaaata ttggctattg gccattgcat acg 33
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 36
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Oligonucleotide
117 <400> SEQUENCE: 8
118 ccacatctcg aggaaccggg tcaattcttc agcacc 36
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 38
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Oligonucleotide
128 <400> SEQUENCE: 9
129 ggtacagata tcggaaagcc acgttgtgtc tcaaaatc 38

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## RAW SEQUENCE LISTING

DATE: 02/11/2004

PATENT APPLICATION: US/10/764,921

TIME: 10:01:40

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

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 134 <213> ORGANISM: Artificial Sequence  
 136 <220> FEATURE:  
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 139 <400> SEQUENCE: 10  
 140 cacatggatc cgtaatgctc tgccagtgtt acaacc 36  
 142 <210> SEQ ID NO: 11  
 143 <211> LENGTH: 39  
 144 <212> TYPE: DNA  
 145 <213> ORGANISM: Artificial Sequence  
 147 <220> FEATURE:  
 148 <223> OTHER INFORMATION: Oligonucleotide  
 150 <400> SEQUENCE: 11  
 151 ggtacatgat cacgtagaaa agatcaaagg atcttcttg 39  
 153 <210> SEQ ID NO: 12  
 154 <211> LENGTH: 35  
 155 <212> TYPE: DNA  
 156 <213> ORGANISM: Artificial Sequence  
 158 <220> FEATURE:  
 159 <223> OTHER INFORMATION: Oligonucleotide  
 161 <400> SEQUENCE: 12  
 162 ccacatgtcg acccgtaaaa aggccgcgtt gctgg 35  
 164 <210> SEQ ID NO: 13  
 165 <211> LENGTH: 9  
 166 <212> TYPE: PRT  
 167 <213> ORGANISM: Peptide  
 169 <400> SEQUENCE: 13  
 170 Thr Tyr Gln Arg Thr Arg Ala Leu Val  
 171 1 5  
 174 <210> SEQ ID NO: 14  
 175 <211> LENGTH: 12  
 176 <212> TYPE: PRT  
 177 <213> ORGANISM: Peptide  
 179 <400> SEQUENCE: 14  
 180 Ile Pro Gln Ser Leu Asp Ser Trp Trp Tyr Ser Leu  
 181 1 5 10

mandatory, the <213> then  
 Responses are either  
 Artificial/Unknown  
 on Genus/Species.  
 please see item  
 # 10 on  
 the error  
 summary  
 sheet.

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/764,921

DATE: 02/11/2004

TIME: 10:01:41

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date